Date: November 21, 1997

Sheet <u>1</u> of <u>4</u>

Form P: 1449 U.S. Department of Commerce (Rev. 7-80) Patent and Trademark Office

Serial No.: 08/911,824

INFORMATION CITED BY APPLICANT

Filing Date: August 15, 1997

(use several sheets if necessary)

Applicant: J.R. Hackett, Jr. et al.

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
0	7 A1	5,304,466	4/19/94	De Leys et al.	<u> </u>		
	A 2	5,055,391	10/8/91	Montagnier et al.			
	A 3	5,071,972	12/10/91	Larsen			<u> </u>
	_A4	4,946,778	8/7/90	Ladner et al.			
1	A 5	5,254,458	10/9/93	Mimms		•	

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Translation Class Subclass (Yes/No)
Cy B1	0591914	4/13/94	EPO	
B 2	0276846	8/3/88	EPO	
/ B3	0212914	3/4/87	EPO	
	0473065	3/4/92	EPO	
B 5	0326100	8/2/89	EPO	
B 6	0406473	1/9/91	EPO	
_ (B7	0273115	7/6/88	EPO	
	0425633	5/8/91	EPO	
<u> </u>	0424634	<u>5/2/91</u>	<u>EPO</u>	

OTHER DOCUMENTS

W	21	P. Charneau et al., "Isolation and Envelope Sequence of a Highly Divergent HIV-1 Isolate: Definition of a New HIV-1 Group", VIROLOGY, Vol. 205, (1994), pp. 247-253.				
	C 2	M. Vanden Haesevelde et al., "Genomic Cloning and Complete Sequence Analysis of a Highly Divergent African Human Immunodeficiency Virus isolate", JOURNAL OF VIROLOGY, Vol. 68, No. 3, (1994), pp. 1586-1596.				
1 0	3	I. Loussert-Ajaka et al., "HIV-1/HIV-2 Seronegativity In HIV-1 Subtype O Infect d Patients", LANCET, Vol. 343, (1994), pp. 1393-1394.				



Form PTO-14 (Review80)

49 U.S. Department of Commerce
Patent and Trademark Office

INFORMATION CITED BY APPLICANT

(use several sheets if necessary)

Serial No.: 08/911,824

Filing Date: August 15, 1997

Applicant: J.R. Hackett, Jr. et al.

M	C 4	L.G. Gurtler et al., "A New Subtype of Human Immunodeficiency Virus Typ (1) (MVP-5180) From Cameroon", JOURNAL OF VIROLOGY, Vol. 68, No. 3, (1994), pp. 1581-1585.
	C 5	R. De Leys et al., "Isolation and Partial Characterization of an Unusual Human Immunodeficiency Retrovirus from Two Persons of West-Central African Origin", JOURNAL OF VIROLOGY, Vol. 64, No. 3, (1990), pp. 1207-1216.
	C6	CDC, "AIDS Due to HIV-2 Infection - New Jersey", MMWR, Vol. 37, (1987) pp. 33-35.
	C7	M.A. Rey et al., LANCET, Vol. i, (1987)pp. 388-389.
	C 8	A.G. Saimot et al., LANCET, Vol. i, (1987) p. 688.
	C 9	A. Werner et al., LANCET, Vol. i, (1987) pp. 868-869.
	C10	I. Loussert-Ajaka et al., "Variability of Human Immunodeficiency Virus Type 1 Group O Strains Isolated from Cameroonian Patients Living in France", JOURNAL OF VIROLOGY, Vol. 69, No. 9, (1995), pp. 5640-5649.
	C11	M. Peeters et al., "Geographical Distribution of HIV-1 Group O Viruses in Africa", AIDS, Vol. 11, (1997), pp. 493-498.
	C12	F. Denis et al., "Comparison of 10 Enzyme Immunoassays for Detection f Antibody to Human Immunodeficiency Virus Type 2 in West African Sera", JOURNAL OF CLINICAL MICROBIOLOGY, Vol. 26, No. 5, (1988), p. 1000-1004.
	C13	W.H. Landschulz et al., "The Leucine Zipper: A Hypothetical Structure Common to a New Class of DNA Binding Proteins", SCIENCE, Vol. 240, (1988), pp. 1759-1764.
	C14	H. Kuhnel et al., "Molecular Cloning of Two West African Human Immunodeficiency Virus Type 2 Isolates that Replicate Well in Macrophages", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, Vol. 86, (1989), pp. 2383-2387.
	C15	D. Kozbor et al., "The Production of Monoclonal Antibodies from Human Lymphocytes", IMMUNOLOGY TODAY, Vol. 4, No. 3, (1983), pp. 72-79.
1	C16	C. Schable et al., "Sensitivity of United States HIV Antibody Tests for Detecti n of HIV-1 Group O Inf ctions", LANCET, Vol. 344, (1994), pp. 1333-1334

Form PAQ 1449 (Rev. 7-80)

U.S. Department of Commerce
Patent and Trademark Office

Serial No.: 08/911,824

Filing Date: August 15, 1997

Applicant: J.R. Hackett, Jr. et al.

INFORMATION CITED BY APPLICANT

(use several sheets if necessary)

K,	C17	H. Kuhnel et al., "Nucleotide Sequence of HIV-2D194, an Isolate from a Gambian Case of 'Neuro-AIDS', Which SHowed Excellent Growth in Macrophages", NUCLEIC ACIDS RESEARCH, Vol. 18, No. 20, (1990), p. 6142.
	C18	M. Gouy et al., "Codon Usage in Bacteria: Correlation with Gene Expressivity", NUCLEIC ACIDS RESEARCH, Vol. 10, No. 22, (1982), pp. 7055-7074.
	C19	L. Gurtler et al., "Reactivity of Five Anti-HIV-1 Subtype O Specimens with Six Different Anti-HIV Screening ELISA's and Three Immunoblots", JOURNAL OF VIROLOGICAL METHODS, Vol. 51, (1995), pp. 177-184.
	C20	Y. Gluzman, "SV40-Transformed Simian Calls Support the Replication f Early SV40 Mutants", CELL, Vol. 23, (1981), pp. 175-182.
	C21	I. Wilson et al., "The Structure of an Antigenic Determinant in a Protein", CELL, Vol. 37, (1984), pp. 767-778.
	C22	H. Hampl et al., "First Case of HIV-1 Subtype O Infection in Germany", INFECTION, Vol. 23, No. 6, (1995), pp. 369-370.
	C23	P.A. Price et al., "Propertied of Chromatography Purified Bovine Pancr atic Deoxyribonuclease", THE JOURNAL OF BIOLOGICAL CHEMISTRY, Vol. 244, No. 4, (1969), pp. 917-923.
	C24	H.U. Benard et al., "Construction of Plasmid Cloning Vehicles that Pr m t Gene Expression from the Bacteriophage Lambida pL Promoter", GENE, Vol. 5, (1979), pp. 59-76.
	C25	H. Grosjean et al., "Preferential Codon Usage in Prokaryotic Genes: the Optimal Codon-Anticodon Interaction Energy and the Selective Codon in Efficiently Expressed Genes", GENE, Vol. 18, (1982), pp. 199-209.
	C26	Kohler et al., "Continuous Cultures of Fused Cells Secreting Antibody f Predefined Specificity", NATURE, Vol. 256, (1975), pp. 495-497.
	C27	Anonymous, NATURE, Vol. 332, (1988), pp. 295.
	C28	A. Mas et al., "env Gene Characterization of the First HIV Type 1 Group O Spanish Isolate", AIDS RESEARCH AND HUMAN RETROVIRUSES, Vol. 12, No. 17, (1996), pp. 1647-1649.
	C29	M.A. Rayfi ld et al., "HIV-1 Group O Virus Identified f r th First Tim in th Unit d Stat s", EMERGING INFECTIOUS DISEASES, V I. 2, (1996), pp. 209-212.
	C30	F. Clavel, "HIV-2, the W st African AIDS Virus", AIDS, V I. 1, (1987), pp. 135-140.

Date: November 21, 1997

Sheet 4 of 4

 $oldsymbol{\it U}$.S. Department of Commerce

Patent and Trademark Office

INFORMATION CITED BY APPLICANT

(use several sheets if necessary)

Serial No.: 08/911,824

Filing Date: August 15, 1997

Applicant: J.R. Hackett, Jr. et al.

R	C31	K. Marquart et al., "HIV-2 in West Germany", AIDS, Vol. 2, (1988), p. 141.
	C32	G. Brucker et al., "HIV-2 Infection in Two Homosexual Men in France", LANCET, Vol. i, (1987), p. 223.
	C33	L. Davis et al., BASIC METHODS IN MOLECULAR BIOLOGY, Elsevier Sci nce Publishing Co., Inc., New York, NY,(1986).
Examiner/Gro	uRL	Date Considered: //290
		7 /

Examiner: Please initial if references considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.